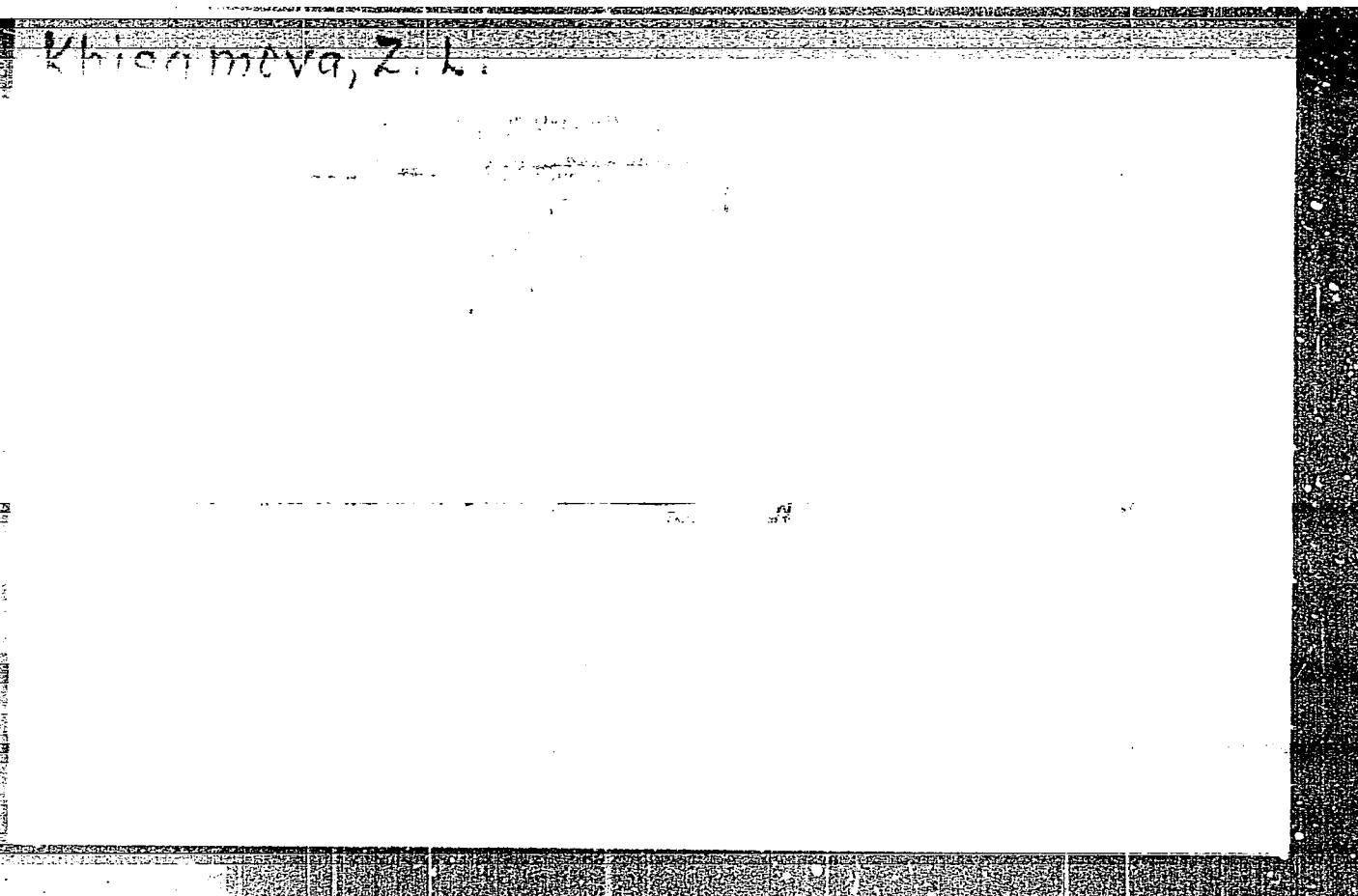


"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722020008-0



APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722020008-0"

KHIMICHESKAYA KARTINA, 2

USSR/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 961

Author: Kamay, G., and Khisamova, Z. L.

Institution: ~~Nauk. KAZAKHSTANSKAYE FILIAL AKADEMII NAUK SSSR,~~

Title: Action of Acetyl Chloride and Acetic Anhydride on the Alkyl Esters of Arsenic Acid

Original

Periodical: Zh. obshch. khimii, 1956, Vol 26, No 2, 411-416

Abstract: It is shown that $(RO)_2AsOR'$ (I) and $(RO)_3As$ (II) react exothermally with cold CH_3COCl to form acid chlorides of dialkyl arsenic acid $(RO)_2AsCl$ (III) and $(RO)As(OR')Cl$ (IV). II reacts with $(CH_3CO)_2O$ on heating, forming mixed anhydrides of dialkyl arsenic acid $(RO)_2AsOCOCH_3$ (V). II is prepared by heating As_2O_3 with the corresponding alcohol; the following compounds II have been prepared (the nature of R, bp in °C/mm, n_D^{20} , and d_4^{20} are indicated in that order): C_3H_7 , 97-98/13, 1.4391, 1.1132; iso- C_4H_9 , 116-117/12, 1.4390, 1.0568; n- C_4H_9 , 109/4, 1.4428, 1.0683; n- C_6H_{13} , 159/2,

Card 1/3

USSR/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 961

Abstract: 1.4502, 1.0119. The following compounds I have been prepared by reacting ROH with $R'GA_3Cl_2$ in the presence of anhydrous pyridine in ether (R, R' , bp in °C/mm, n_D^{20} , and d_4^{20} are indicated in that order): C_2H_5 , C_3H_7 , 92-93/19, 1.4423, 1.1325; C_2H_5 , C_4H_9 , 110-113/9, 1.4542, 1.1262; C_3H_7 , C_4H_9 , 112-112.5/14, 1.4438, 1.0930. Twenty grams of II ($R = C_3H_7$) are mixed with 6.2 gms CH_3COCl in an Arbuzov distillation flask. The mixture is heated to 110° for 30 minutes; the following fractions are collected on distillation: up to 50°/13 mm, 16.5 gms of propyl acetate, and up to 73-75°/10 mm, 13.8 gms III ($R = C_3H_7$), n_D^{20} 1.4683, d_4^{20} 1.2447. A similar method was used in preparing the following II and IV (characteristics as above): III -- C_3H_7 , 73-75/10, 1.4683, 1.2447; C_4H_9 , 110-112/10, 1.4569, 1.2401; iso- C_4H_9 , 108-111/25, 1.4639, 1.2276; n- C_6H_{13} , 140-143/2, 1.4642, 1.0960; IV -- C_2H_5 , C_3H_7 , 72-73/10, 1.4672, 1.2987; C_3H_7 , C_4H_9 , 96-96.5/14, 1.4630, 1.2280; III is easily saponified in water: $2(RO)_2AsCl + 3H_2O \rightarrow As_2O_3 + 4ROH + 2HCl$; reaction with alcohols in anhydrous pyridine yields I. Twenty grams of II ($R = C_4H_9$) are heated with 6.8 gms $(CH_3CO)_2O$ over an oil bath (7 hours at 140-146°). Distillation yields the following fractions: up to 30°/20 mm, mainly $CH_3COOC_4H_9$, and at 125-126°/10 mm 14.2 gms V ($R = C_4H_9$),

Card 2/3

COUNTRY : RUSSIA
 CATEGORY : Organic Chemistry. Synthetic Organic Chemistry
 G
 ABS. JOUR. : RZKhim., No. 1 1960, No. 1309
 AUTHOR : Khissanova, Z. L.; Kurnay, G.
 INST. : Iasi Polytechnic Institute
 TITLE : Preparation and Properties of Ethylene Glycol Ether of Arsenic Acid
 ORIG. PUB. : Bul. Inst. politehn. Iasi, 1958, 4, No 1-2,
 153-158
 ABSTRACT : 10 g of As_2O_3 and 14.5 g of $\text{HOCH}_2\text{CH}_2\text{OH}$ (I) are heated for 30 min at $140-145^\circ$ in a vacuum and $\text{ROCH}_2\text{CH}_2\text{OR}$ (II) is obtained (everywhere R =
 $\text{OCH}_2\text{CH}_2\text{OAs}-$), yield 94.6%, b.p. $160-161^\circ/2$
 mm, $n^{20}\text{D}$ 1.5378, d_4^{20} 1.8915. 0.5 g of HgCl_2 and 0.3 g of II are heated until a uniform mass is obtained and II· HgCl_2 is separated,

CARD: 1/3

COUNTRY : APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000722020008-0

ABS. JOUR. : RZKhim., No. 1 1960, No. 1309
 AUTHOR :
 INST. :
 TITLE :
 ORIG. PUB. :
 ABSTRACT cont'd : m.p. up to 220° (from benzene). By heating 10 g of II and 3.4 g of pyrocatechin in a vacuum, o- $\text{ROC}_6\text{H}_4\text{OR}$ was obtained, with a yield of 35.4%, b.p. $157-160^\circ/1.5$ mm. Analogously, there were obtained: p- $\text{OC}_6\text{H}_4\text{OR}$ (b.p. $85-87^\circ/1.5$ mm, $n^{20}\text{D}$ 1.4735, d_4^{20} 1.2716), n- $\text{C}_7\text{H}_{15}\text{OR}$ and n- $\text{C}_8\text{H}_{17}\text{OR}$. 10 g of $(n\text{-C}_4\text{H}_9\text{O})_3\text{As}$ and 4.7 g of I (6 hours, 250°) are heated in a sealed ampoule and 1.5 g

CARD: 2/3

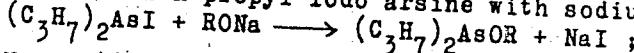
S/079/60/030/011/006/026
B001/B066

AUTHORS: Gil'm, Kamay, and Khisamova, Z. L.

TITLE: Esters of Di-n-propyl Arsinic Acid

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol. 30, No. 11, pp. 3611-3614

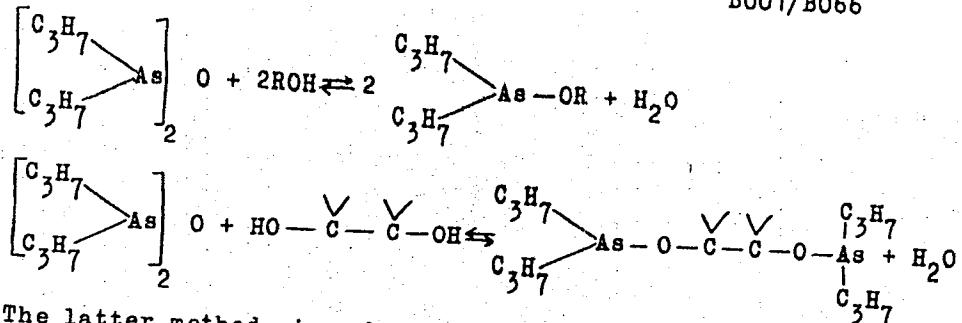
TEXT: In the present paper, the authors continued their studies of acid esters of trivalent arsenic (Ref.1), and synthesized the hitherto unknown esters of di-n-propyl arsinic acid by the following two methods: a) by reaction of di-n-propyl iodo arsine with sodium alcoholates:



b) by reaction of bis-di-n-propyl arsine oxide with the corresponding alcohols and glycols at elevated temperature:

Card 1/3

Esters of Di-n-propyl Arsinic Acid

S/079/60/030/011/006/026
B001/B066

The latter method gives better yields; the former is more complicated since the reaction is not completed, and therefore yields impure end products. These colorless, highly mobile esters hydrolyze rather readily to form bis-di-propyl arsine oxide $[(\text{C}_3\text{H}_7)_2\text{As}]_2\text{O}$. They react on prolonged standing in sealed tubes with methyl iodide or benzyl bromide, and give crystalline products. By heating the mixtures of these esters and acetic anhydride, the corresponding alkyl ester of acetic acid and an acetyl

Card 2/3

Esters of Di-n-propyl Arsinic Acid

S/079/60/030/011/006/026
B001/B066

derivative of di-n-propyl arsinic acid result. Bromination of ethylene glycol ester of di-n-propyl arsinic acid takes place under addition of two bromine atoms per one ester molecule. The addition product could not be obtained in crystal form. Its pyrolysis yielded di-n-propyl bromoarsine. There are 1 table and 1 Soviet reference.

ASSOCIATION: Kazanskiy filial Akademii nauk SSSR (Kazan' Branch of the Academy of Sciences USSR)

SUBMITTED: December 1, 1959

Card 3/3

KAMAY, Gil'm; KHISAMOVA, Z.L.;

Some organoarsenic derivatives of ethylenimine. Dokl. AN
SSSR 156 no. 2:365-367 My '64. (MIRA 17:7)

1. Khimicheskiy institut imeni A.Ye.Arbuzova AN SSSR.
Predstavлено akademikom A.Ye.Arbuzovym.

KHISAMUTDINOV A. G.

17 (3, 6)

BOV/16-60-4-847

AUTHOR: Alatyrtseva, I.Ye., Nemushilova, N.A., Khisamutdinov, A.G., Saydasheva,
Kh.O., Amfiteatrova, N.L., Mel'nikova, T.A. and Kolosova, N.K.

TITLE: A Study of the Reactogenicity of Pertussis-Diphtheria Vaccine

PERIODICAL: Zhurnal mikrobiologii, epidemiologii i imunobiologii, 1960, Nr 4,
pp 34 - 39 (USSR)ABSTRACT:
The authors summarize the data on the reactogenicity of pertussis-diphtheria vaccine, derived from mass immunization with such vaccine prepared by the Institut mikrobiologii i epidemiologii imeni Gamalei AMO USSR (Institute of Microbiology and Epidemiology imeni Gamaleya of the AMO USSR) at Zelenodolsk in the Tatar ASSR. Most of the reactions in children immunized with the vaccine were weak (30.6%) or mild (32.3%). After the second and third inoculation, the percentage of children with a general reaction declined. Most of the children who did react showed a weak general reaction. Local reactions were more common than general ones. Most of the children who reacted did so with a weak (49.6%) or moderate (51.5%) local reaction. After the second and third inoculation the percentage of children with a local reaction dropped. The reactogenicity of the vaccine varied

Card 1/2

ASSOCIATION: Kazenskiy institut epidemiologii i gigienny (Institute of Epidemiology
and Hygiene, Kazan)

SUBMITTED: June 16, 1959

Card 2/2

KHISAMUTDINOV, A.G.; MUKHUTDINOVA, R.G.; KOLPACHIKHIN, F.B.

Evaluation of antidiphtheria immunity by means of a spintest.
Vop. okh. mat. 1 det. 5 no. 2:41-44 Mr-Apr '60. (MIRA 13:10)

1. Iz Kazanskogo nauchno-issledovatel'skogo instituta epidemiologii
i gigiyeny.

(DIPHTHERIA—PREVENTIVE INOCULATION)

ALATYRTSEVA, I.Ye.; NEMSHIOVA, N.A.; KHISAMUTDINOV, A.G.; SAYDASHEVA,
Kh.G.; AMFITEATROVA, N. F.; MEL'NIKOVA, V.K.; KOLOSOVA, R.K.

Study of the reactions caused by a whooping cough-diphtheria vaccine.
Zhur. mikrobiol. epid. i immun. 31 no. 4:34-39 Ap '60.

(MIRA 13:10)

1. Iz Kazanskogo instituta epidemiologii i gigiyeny.
(WHOOPING COUGH) (DIPHTHERIA)

KHISAMUTDINOV, A.G.; ALATYRTSEVA, I.Ye.; NEMSHILOVA, N.A. [deceased];
MEL'NIKOVA, V.K.

Experience in the control of whooping cough with vaccination of children on a large scale. Zhur. mikrobiol., epid. i immun. 33 no.11:23-27 N '62. (MIRA 17:1)

1. Iz Kazanskogo instituta epidemiologii, mikrobiologii
i gigiyeny.

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722020008-0

KHISAMUTDINOV, F.S.; GORYAINV, M.I.

Investigating the chemical composition of Turkestan wormwood
tarragon oil (*Artemisia dracunculus L. ssp. turkestanica Krasch.*).
Izv. AN Kazakh. SSR. Ser. khim. no.2:89-97 '59. (MIRA 12:8)
(*Artemisia*) (Essences and essential oils)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722020008-0"

ACC NR: A1'6033185

SOURCE CODE: UR/0079/66/036/010/1856/1857

AUTHOR: Khisamutdinov, G. Kh.; Pechenkin, A. G.; Aitova, E. F.

ORG: Novokuznetsk Scientific Research Chemical-Pharmaceutical Institute
(Novokuznetskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut)

TITLE: Ethyl 3-(5'-bromo-2'-furyl)-5-methyl-4-isoxasolecarboxylate

SOURCE: Zhurnal obshchey khimii, v. 36, no. 10, 1966, 1856-1857

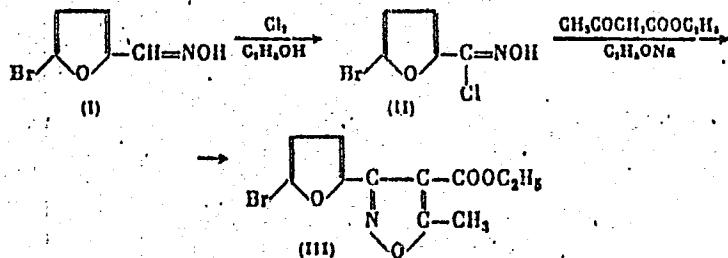
TOPIC TAGS: ethyl bromofurylmethylisoxasole carboxylate, isoxasole derivative

ABSTRACT: To study the physiological properties of isoxasoles, the previously unreported ethyl 3-(5'-bromo-2'-furyl)-5-methyl-4-isoxasolecarboxylate (III), mp 101—102.5°C, was obtained from I via II:

Card 1/2

UDC: 547.722.4.786.07

ACC NR: AP6033185



The conversion of I proceeds in absolute ethanol at -10 to -20°C
and the conversion of II at 20°C. [WA-50; CBE No. 12]

SUB CODE: 07 / SUBM DATE: 14Apr66 / OTH REF: 003 /

Card 2/2

AP86011228

P-100-36-01 1004 01/24/0030

AUTH: Pt: Polenko, V. K.; Khisamutdinov, G. K.

Changes in blood following irradiation of various parts of the body

Author: Polenko, V. K., et al.

Publication: Radiobiologiya, 1962, v. 2, p. 101-106

ABSTRACT: A review of the literature and analysis of hematological data in patients aged from 18-65 years given radiation doses of 100-1000 rads. It is shown that changes in the blood system following irradiation are manifested from both the direct and indirect action of radiation on the blood system. As in the case of whole-body irradiation, there is a rapid initial alteration in the number of leukocytes, followed by a decrease in the number of leukocytes due to the inhibition of the proliferative processes in the bone marrow. The number of lymphocytes and monocytes is largely determined by the number of leukocytes.

REF ID: A95011228

absorbed and the individual characteristics of the patients. The nature of the
leukocyte formula varied with the physiological importance and
size of the irradiated organs (see tables).

(unintelligible) hospital' main 4.4 - Main
(unintelligible)

DATE: 12 Jan 64

INCL: 00

SUB CODE: LS

NO REF SOV: 016

OTHER: 006

Card 2/2

POLENKO, V.K., polkownik meditsinskoy sluzhby, kand. med. nauk;
DONSKOY, M.D., podpolkovnik meditsinskoy sluzhby;
KHISAMUTDINOV, G.K., podpolkovnik meditsinskoy sluzhby

Effect of radiation on the course of some somatic diseases.
Vjen.-med. zhur. no.2:31-36 '65. (MIRA 18:11)

CA KHISAMUTDINOV M. G.

Phlogopitization of the selbands in copper ore deposits.
M. G. Khisamutdinov. Duklady Akad. Nauk S.S.R.
66, 381-391(1940).—Monomineralic phlogopite rocks were
observed in Cu ore deposits of the Altai, in the hornfels
aureole of a granite massif. The country rock is a highly
metamorphic quartz-biotite-chlorite rock, derived from
clay schists. The phlogopitization is syngenetic with the
Cu ore; the thermal changes after this mineralization are
inconsiderable. Chem. analyses of the transition rocks,
from the unchanged country rock, to the fully developed
monomineralic phlogopite rock, are given; they show a very
characteristic increase in F, K, Mg, and less distinctly of
Fe in the latter, while Al_2O_3 is rather const. A typical
K-Mg metasomatism is indicated. The chem. compn.
of the phlogopite is very close to the theoretical formula
with a slight deficiency in alkali, a slight excess in Fe^{2+} ,
and a deficiency in Fe^{3+} . A characteristic of the phlogo-
pite is its rather high BaO content (2.5%). W. Eitel

A-I Sci Res Geol. Inst.

15-57-2-1586

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 2,
p 59 (USSR)

AUTHOR: Khisamutdinov, M. G.

TITLE: The Origin of the Crystalline Schists in the Southern
Part of the Irtysh Crumpled Zone (K voprosu o prois-
khozhdenii kristallicheskikh slantsev yuzhnay chasti
Irtyshkoy zony smyatiya)

PERIODICAL: Materialy Vses. n.-i. in-ta, 1955, Nr 8, pp 105-115

ABSTRACT: The Irtysh crumpled zone is a belt of metamorphosed
shales trending northwesterly, 5 km to 25 km wide, and
extending for 450 km. The zone contains intrusions of
the Altay-ore type (Zmeinogorskiy intrusive complex) and
of the Kalbin type (Kalbin-Narym intrusive complex).
Three belts are distinguished in the crumpled zone,
depending on the nature and degree of metamorphism:
1) a belt of intense shearing of sand-shale beds of

Card 1/3

15-57-2-1586

The Origin of the Crystalline Schists (Cont.)

the Pugachev series; 2) a belt of quartz-chlorite-sericite schists of the Pugachev series; and 3) crystalline schists of the Kystav-Kurchum series. Granites were intruded into the central part of the serpentine zone along narrow zones of crushing, locally forming injection magmatites; i.e., magmatic intrusions were formed simultaneously with fractures and narrow zones of crumpling. In the marginal part of the serpentine zone, the granites were intruded under quiet tectonic conditions, and, in this situation, normal contact hornfels were formed. Thus, the crystalline schists are considered to be syntectonic formations, arising under conditions of intense tectonic movements during simultaneous contact activity of granites in the beginning stage of the Kalbin intrusive cycle. The metamorphism of crystalline schists is also associated with the leucocratic Dzhandy-Karagay granites, the youngest members of the Kalbin intrusive complex. These metamorphic rocks consist of muscovite-chlorite, albite porphyroblastic schists and gneisses, but the highest temperature metamorphic phase is absent. Metasomatism, associated with the intrusions of those very granites of the earlier

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15-57-2-1586

The Origin of the Crystalline Schists (Cont.)

phase of the Kalbin-Narym intrusive cycle, was superimposed on normal isochemical metamorphism. The following principal types of metasomatism, successively interchanging one with another, are distinguished: 1) sodium, 2) potassium and quartz, and 3) low-temperature quartz. The first type was manifested in the formation of albite in the crystalline schists, the second in the formation of muscovite-chlorite schists, veinlets of potassium feldspar, and in the replacement of plagioclase by potassium feldspar. The lower temperature post-magmatic solutions produced regressive metamorphism of the crystalline schists (chloritization of garnet and dark minerals, sericitization and saussuritization of plagioclase). This process resulted in an outward appearance of rather homogeneous "diaphthorites."

Card 3/3

O. V. B.

KHISAMUTDINOV, M.G.

Quartz and microcline metasomatic rocks from polymetallic deposits
in the Altai Mountains. Inform. sbor. VSEGEI no.4:95-98 '56.
(Altai Mountains--Quartz) (MLBA 10:4)
(Altai Mountains--Microcline)

15-57-1-578

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 1,
p 92 (USSR)

AUTHOR: Khisamutdinov, M. G.

TITLE: An Ancient Weathering Crust in the Kurchum Region
(Southern Altai) [O drevney kore vyvetrivanija v
Kurchumskom rayone (Yuzhnny Altay)]

PERIODICAL: Materialy Vses. n.-i. geol. in-ta, 1956, Nr 8,
pp 116-117.

ABSTRACT: In the Kurchum region, the author found exposures of white clays covered by quartzose conglomerates. These clays were probably formed by continental weathering at the end of the Mesozoic and the beginning of the Tertiary. The thickness of the weathered layer exceeds four meters. The weathered zone occurs in quartz-chlorite-sericite schists. The minerals in the weathering crust are kaolinite, sericite, and quartz. The optical properties of kaolinite are $Ng = 1.568$, $Np = 1.561$, and $Ng - Np = 0.007$. The chemical compo-

Card 1/2

KHISAMUTDINOV, M. G.

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 8,
15-57-8-11208
p 148 (USSR)

AUTHOR: Khisamutdinov, M. G.

TITLE: Effect of Host Rock and the Temperature of Ore-Bearing Solutions on the Composition and Formation of Ores, as Exemplified by Some Altai Deposits (Ovliyanii vmeschayushchikh porod i temperatury rudosnykh rastvorov na sostav i mesto obrazovaniya rud na primere nekotorykh Altayskikh mestorozhdeniy)

PERIODICAL: Sov. geologiya, 1956, sb. Nr 50, pp 12-27

ABSTRACT: The author describes a new type of mineralization which has been revealed in Altai, which he calls "South Altaic." Deposits of this type are correlated with interstratified Devonian sedimentary and volcanic rock and are of the following types: 1) deposits correlated with the thin strata of the dolomites or

Card 1/4

Effect of Host Rock (Cont.)

15-57-8-11208

of tuffaceous conglomerates; the mineralization fills a thick network of small pre-ore fissures, the roof and base of the mineralized stratum being represented by shales in which fissures did not form; 2) deposits of ores, disseminated in streaks, coordinated with the thick strata of the carbonate rock and having no distinct boundaries. The ores of the South Altaic type are almost entirely lead; the content of Zn, Cu, and Fe is usually low. In many deposits two stages of mineral formations are established: the earlier galena-sphalerite-pyrite and the later galena-sphalerite-pyrite with sulfoantimonites and sulfoarsenites of Pb and Cu. Of nonmetallic minerals there are quartz, dolomite, calcite, barite, ankerite, fluorite, sericite, chlorite, and albite. Mineralization occurred after the chief phases of Hercynian folding and after intrusions of Zmeinogorskiy and Kal'binskiy Kompleksy (groups). The process of formation of deposits of the South Altaic type began with the change of enclosing rock. Intensive sericitization begins under the action of the first portions of the solutions in tuffaceous conglomerates;

Card 2/4

Effect of Host Rock (Cont.)

15-57-8-11208

the nature of the change of the carbonate rock is not clear. In the first ore stage, Si, Fe, and partly, K, were taken out, and Mg, Ca, Mn, and Na were introduced, that is, carbonatization, albitization, partial desilicification, and general loss of Fe occurred. The absence of sericitization and formation of alkaline feldspars indicates the increase at this stage of the alkaline potential. In deposition of ores, the formation of galena, sphalerite, fahlore (tetrahedrite and/or tennantite), boulangerite, pyrite, chalcopyrite, calcite, dolomite, fluorite, barite, albite (in silicate rock), sericite, and chlorite occurred. The ore-bearing solutions contained Mn, Ca, Mg, Na, Ba, Pb, Zn, Ag, Cu, Sb, As, H₂S, S, Cl, CO₂, and F. The transfer of metals apparently occurred in the form of complex salts with the participation of halides. The author cites data on the low-temperature character of the ore-bearing solutions and the somewhat higher temperature of the ore deposits in the tuffaceous conglomerates in comparison with the carbonate rocks. This may be explained by the higher stratigraphic position of the

Card 3/4

Effect of Host Rock (Cont.)

15-57-8-11208

carbonate rock and the possible delay in formation of lead minerals in the limestones because of the abundance of free carbonic acid. The latter prevents precipitation from the solutions of combinations of Pb and Zn. The author notes that for the carbonate rock, a simpler composition of ores (galena, sphalerite) is characteristic than for the silicate rock (galena, sphalerite, pyrite, chalcopyrite). This is explained by the saturation of the latter with Fe.
Card 4/4

A. B. Belyavskiy

KHISAMUTDINOV, M.G.; DIMITDOVA, T.Ya.

Age relations between the hydrothermal metamorphism of complex ore
deposits and Hercynian granitoids in Zyryanovsk District of the
Altai. Inform. sbor. VSEGEI no. 9:3-12 '59. (MIRA 13:12)
(Altai Mountains--Ore deposits)
(Altai Mountains--Granite)
(Metamorphism (Geology))

KHISAMUTDINOV, M.G.

Some characteristics of the localization of copper mineralization
in complex metal deposits of the southwestern Altai. Trudy VSEGEI
60:5-13 '61. (MIRA 15:3)
(Altai Mountains--Copper ores)

DEMISOVA, T.Ya.; KHISAMUTDINOV, M.G.

Metamorphism of enclosing rocks of the Verkhneinka skarn-copper
deposit in the Rudny Altai. Trudy VSEGEI 74(131-140) '62.

(MIRA 15:9)
(Altai Mountains—Copper ores) (Altai Mountains—Skarns)
(Metamorphism (Geology))

KHISAMUTDINOV, M.G.; DEMIDOVA, T.Ya.

Lead-zinc mineralization of the south Aitai ore complex. Trudy
VSEGEI 94:196-214 '63. (MIRA 17:6)

KHISAMUTDINOV, M.G.

Basic characteristics of the tectonics and history of the geological development of structural and formation zones in the Zaysan geosynclinal area. Trudy VSEGEI 94:76-91 '63.

(MIRA 17:6)

KHISAMUTDINOV, M.G.

Formation complexes of the Zaysan geosyncline area. Trudy VSEGEI 111:
37-52 '64.

Characteristics of the geology and metallogeny of the complex metal
zone of the Altai. Ibid.:127-161
(MIRA 18:7)

KHISAMUTDINOV, M.G.; DEMIDOVA, T.Ya.

Outline of metallogeny in the southwestern Altai. Sov. geol. 8 no.4;
19-26 Ap '65. (MIRA 18:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut.

KHISAMUTDINOV, R. KH.

Electrical engineering
Kommunikatsiya mashin postoyannogo toka. Moscow, Gosudarstvennoe Nauchno-Tekhnicheskoe Izdatel'stvo Literatury po Chernoy i Tsvetnoy Metallurgii, 1953
pp. 107, diags., tables, bibliog., 22 x 14.

LXIII-1

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722020008-0

KIRPICHNIKOV, P.A.; KAMAY, G.I.'m; KHISAMUTDINOVA, R.Sh.

Synthesis of alkyl- and aryl- β,β' -dichloroisopropyl phosphites.
Zhur. ob. khim. 34 no. 21434-436 F '64. (MIRA 17:3)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722020008-0"

L 25784-66 EWP(1)/ENT(m) RM
ACC NR: AP6015923

SOURCE CODE: UR/0286/65/000/015/0031/0031

26
B

INVENTOR: Tsivunin, V. S.; Kamay, G. Kh.; Khisamutdinova, R. Sh.

ORG: Kazan Chemico-Technological Institute im. S. M. Kirov (Kazanskiy khimiko-tehnologicheskyy institut)

TITLE: Method for obtaining oxides or thioxides of dialkyl-alpha-alkoxyvinylphosphines--Certificate No. 173230, Class C 07f

SOURCE: Byulleten' izobreteniij i tovarnykh znakov, no. 15, 1965, 31

TOPIC TAGS: organic phosphorus compound, alkylphosphine, dehydrogenation

ABSTRACT: A method for obtaining oxides of thioxides or dialkyl-alpha-alkoxyvinylphosphines, distinguished by the fact that dialkylchlorophosphines are treated with alpha-dichloroethylalkyl ethers followed by decomposition of the resulting complex with water or hydrogen sulfide or alcohol and dehydrogenation of the product. [JPRS]

SUB CODE: 07 / SUBM DATE: 27Feb64

Card 10

DDC: 547.419.1.002.2

TSIVUNIN, V.S.; KAMAY, G.Kh.; KHISAMUTDINOVA, R.Sh.; SMIRNOV, Ye.M.

Some derivatives of phenyl-B-chlorovinylphosphinic acid. Zhur.
ob. khim. 35 no.7:1231-1233 J1 '65. (MIRA 18:8)

TSIVUNIN, V.S.; KAMAY, Gil'm; SHAGIDULLIN, R.R.; KHISAMUTDINOVA, R.Sh.

Reaction of the condensation of diethylchlorophosphine with
a-chloroethylalkyl ethers. Zhur. ob. khim. 35 no.7:1234-
1238 Jl '65.

(MIRA 18:8)

L 46322-66 EWT(m)/EWP(j) RM

ACC NR: AP5025128

SOURCE CODE: UR/0079/85/035/010/1811/1814

AUTHOR: Tsivunin, V. S.; Gil'm Kamay; Shagidullin, R. R.; Khisamutdinova, R. Sh.

ORG: none

TITLE: Condensation reaction of diethyl(diphenyl)chlorophosphine with α,β -dichloroethylalkyl ethers

SOURCE: Zhurnal obshchey khimii, v. 35, no. 10, 1965, 1811-1814

TOPIC TAGS: condensation reaction, ether, chemical reaction, DIETHYL ETHER, DIPHENYL CHLOROPHOSPHINE

ABSTRACT: Diethyl- and diphenylchlorophosphine formed with α,β -dichloroethylbutyl ether a complex as expected from their reaction with α -chloroethylalkyl ether, but hydrolysis or alcoholysis of the reaction product was followed by dehydrochlorination to give diethyl- and diphenyl- α -butoxyvinylphosphine oxide, respectively. Similarly, complex formation of diphenylchlorophosphine with α -chloroethyl- β -chloroethyl ether, alcoholysis and thermal dehydrochlorination during distillation produced diphenyl- α -vinyloxyethylphosphine oxide. Hydrolysis of diethyl- α -butoxyvinylphosphine oxide gave diethylacetylphosphine oxide, and infrared spectroscopy of the latter indicated its enol-ketol tautomerism. The starting compounds reacted under cooling in a CO_2 atmosphere at 0°C to give viscous complexes, and

Card 1/2

UDC: 546.185+547.431.4:541.49

L 46322-66

ACC NR: AP5025128

alcoholysis or hydrolysis, vacuum distillation, and recrystallization produced the unsaturated phosphine oxides. Physical properties and elemental composition of all products were determined. Orig. art. has: 1 figure.

SUB CODE: 07/ SUBM DATE: 29Sep64 / ORIG REF: 003

Card 2/2 egs

L 36490-66 EWT(m)/EWP(j) RM

ACC NR: AP6027081

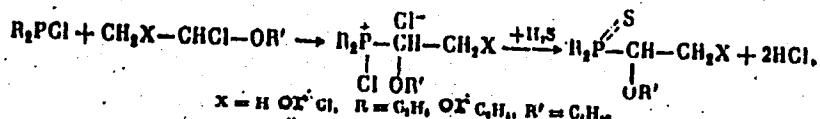
SOURCE CODE: UR/0079/65/035/010/1815/1817

AUTHOR: Tet'yunin, V. S.; Gil'm Kamay; Khisamutdinova, R. Sh.

ORG: none

TITLE: Synthesis of thiooxides of diethyl(diphenyl)-alpha-(alkoxy)ethyl-phosphines,
alpha-(alkoxy)vinylphosphines, and alpha-(vinyloxy)ethyl-phosphines.

SOURCE: Zhurnal obshchey khimii, v. 35, no. 10, 1965, 1815-1817

TOPIC TAGS: chemical synthesis, organic phosphorus compound, chemical decomposition,
hydrogen sulfide, chlorination, distillation, chemical bonding, bromination, hydrolysisABSTRACT: Study of complexing between secondary chlorophosphines
and α -chloro ethers. The authors investigated the decomposition
of the corresponding complexes with hydrogen sulfide. The overall
process is represented as follows:

As in the case of oxides, after decomposition of the complex of
diethyl(diphenyl)- α -butoxychloroethyl dichlorophosphine, thermal
dehydrochlorination occurs during distillation:

Card 1/3

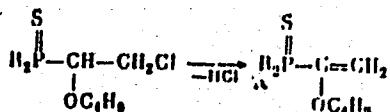
UDC: 546.185:541.49+546.221

0917

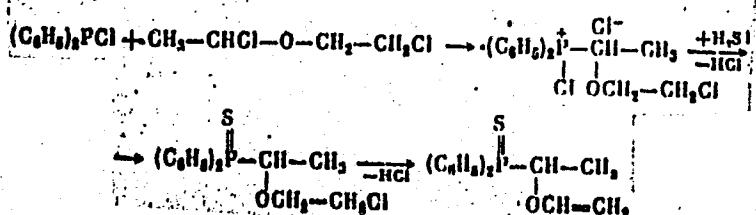
0075

L 36490-66

ACC NR: AP6027081



A similar thermal dehydrochlorination was observed as a result of distillation of the product following decomposition of the complex between diphenylchlorophosphine and α -chloroethyl B-chloroethyl ether by hydrogen sulfide. The following reaction occurred:

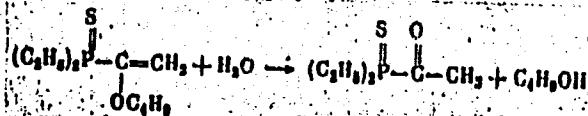


Card 2/3

L 36490-66

ACC NR: AP6027081

The presence of a double bond was confirmed by a qualitative bromination reaction. Diethyl- α -butoxyvinylphosphine thiooxide hydrolyzed readily to form diethylacetylphosphine thiooxide:



[JPRS: 36,328]

SUB CODE: 07 / SUBM DATE: 29Sep64

Card 3/3 1122 P

L 27763-66 EWT(m)/EWP(1) RM
ACC NR: AP6018505

SOURCE CODE: UR/0079/65/035/011/1998/2001

AUTHOR: Tsivunin, V. S.; Kamay, G.; Shagidullin, R. R.; Khisamutdinova, R. Sh. 27 C

ORG: none

TITLE: Condensation of diethyl- and diphenylchlorophosphines with alpha-chloroaldehydes

SOURCE: Zhurnal obshchey khimii, v. 35, no. 11, 1965, 1998-2001

TOPIC TAGS: condensation reaction, aldehyde, chlorinated organic compound, organic phosphorus compound

ABSTRACT: Diethyl(and diphenyl)chlorophosphines were found to form complexes with alpha-chloroaldehydes. The reaction proceeded exothermally when the components were mixed in bulk or in an inert solvent (diethyl ether). Oxides and thiooxides of diethyl(diphenyl)-alpha-hydroxy-beta-chloro-(beta,beta,beta-trichloro)-ethylphosphines were isolated by decomposing the complexes with alcohols or hydrogen sulfide, respectively. The condensation of secondary chlorophosphines with chloro-aldehydes, followed by nucleophilic decomposition of the complexes with water or alcohols is recommended as a new, comparatively simple method of producing oxides of dialkyl(or diaryl)-alpha-hydroxyethylphosphines. Orig. art. has 1 figure and 6 formulas. [JPRS]

SUB CODE: 07/ SUBM DATE: 17Dec64 / ORIG REF: 004/ OTH REF: 002

Card 1/1

UDC: 546.185/547.446.1:541.49

L 3396-66 EWT(m)/EPF(c)/EWP(j)/T/ETC(m) WW/RM

ACCESSION NR: AP5024219

UR/0020/65/164/003/0594/0597

38

32

3

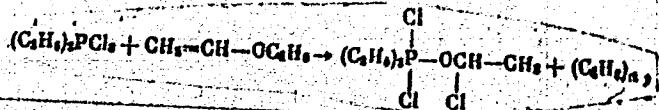
AUTHORS: Tsivunin, V. S.; Kamay, G.; Khisamutdinova, R. Sh.

TITLE: On the complex formation of simple vinyl ethers with pentavalent phosphorus chlorides

SOURCE: AN SSSR. Doklady, v. 164, no. 3, 1965, 594-597

TOPIC TAGS: complex formation, vinyl ether, phosphorus pentachloride, phosphorus organic compound

ABSTRACT: The complexes formed during the reaction of simple vinyl ethers with pentavalent phosphorus chlorides were studied. In particular, the nature of the thermal degradation products of the complexes studied was determined. It was found that thermal degradation of the PCl_5 -vinyl ether complex yielded different products than the degradation of diethyl- and diphenyltrichlorophosphorus-vinyl-ether complexes. The behavior of the diethyltrichlorophosphorus-n-butylvinyl-ether complex, formed according to the scheme

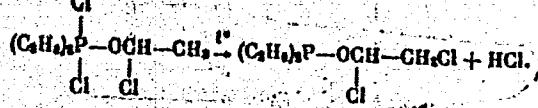


Card 1/3

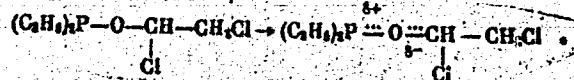
L 3396-66

ACCESSION NR: AP5024219

is discussed in some detail. The thermal degradation of this complex is assumed to follow the scheme 6



The different behavior of phosphorus pentachloride and alkyl or aryl substituted pentavalent phosphorus chloride-vinylether complexes during thermal degradation is attributed to the different utilization of the d orbitals of phosphorus in the formation of the above complexes. IR spectra of diethyl- α -chlorosthoxydichlorophosphorus, the acid chloride of diethylphosphinic acid, and α , β -dichloroethyl ether of diethylphosphinic acid were determined and are shown graphically. The existence of the last ether is attributed to the presence of the stabilizing structure:



The authors thank R. R. Shagidullin for the determination of the IR spectra.
Orig. art. has: 1 graph and 10 equations.

ASSOCIATION: Kazanskiy khimiko-tehnologicheskiy institut im. S. M. Kirova (Kazan)
Chemical Engineering Institute) 44,55
Card 2/3

L 3396-66

ACCESSION NR: AP5024219

SUBMITTED: 28Dec64.

ENCL: 00

SUB CODE: OC, GC

NO REF SOV: 004

OTHER: 002

Card 3/3 b/c

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722020008-0

KHISAROVA, G.D.

Lagurus luteus from the alluvium of central Kazakhstan. Mat. po ist.
fauny i flory Kazakh. 2:80-81 '58. (MIRA 11:?)
(Kazakhstan--Field Mice, Fossil)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722020008-0"

KHISAROVA, G.D.

Fossil bones of mammals from the Koshkurgan gryphon (southern Kazakhstan). Mat. po ist. fauny i flory Kazakh. 4:42-65 '63.

(MIRA 16:9)

(Koshkurgan (Kazakhstan)—Mammals, Fossil)

ACCESSION NR: AP4039256

S/0032/64/030/006/0747/0749

AUTHOR: Khishchenko, Yu. M.

TITLE: Influence of shear on the modulus of elasticity of glass textolite samples with transverse bending

SOURCE: Zavodskaya laboratoriya, v. 30, no. 6, 1964, 747-749

TOPIC TAGS: glass textolite, modulus of elasticity, shear stress, tensile stress, bending

ABSTRACT: The influence of interlayer shear on the reduced modulus of elasticity of glass-textolite material with transverse bending was investigated. For beams of thickness h and width b the reduced modulus of elasticity is

$$E' = \frac{\Delta P c}{4bh^2\Delta y}$$

where ΔP and Δy are the increments of loading and deflection of the beam and l is the distance between the supports. It was found that E' increased with increasing values of the ratio l/h . This effect is due to tangential stresses in the beam and the influence of the shear modulus of the bonding material. With increasing l/h , E' approached asymptotically to the value E , the modulus of elasticity of glass-textolite with pure bending, which is obtained when the

Card 1 1/2

ACCESSION NR: AP4039256

deformation of the beam is due exclusively to the action of normal tensile and compressive stresses. It was also observed that the ends of the beam extending beyond the supports affected the value of E' . For values of l/h not less than 20-25, the difference between the values of E and E' does not exceed 5-7%. For smaller values of l/h , it is noted that more reliable values of E for glass-textolite will be obtained by applying bending moments at the ends of the beam. The author acknowledges valuable suggestions from S. V. Boyarshinov, candidate of technical sciences. Orig. art. has: 2 equations, 3 diagrams, and 1 table.

ASSOCIATION: Moskovskoye vysheye tekhnicheskoye uchilishche im. Baumana
(Moscow School of Higher Technology)

SUBMITTED: 00

SUB CODE: MT

NO REF SOV: 002

ENCL: 00

OTHER: 002

Card

:2/2

KHISHCHUK, A.A.; BUCHINSKIY, Yu.L.; ROGACHEV, Ye.N.; VORONIN, V.A.;
KILOCHITSKIY, N.G.; LISKONOG, N.G.; CHEVKOV, L.V., red.
izd-va; OVSEYENKO, V.G., tekhn. red.

[Practice of constructing headframes] Opyt stroitel'stva
bashennykh koprov. Moskva, Gosgortekhizdat, 1963. 82 p.
(Mine buildings) (MIRA 16:4)

KHISHEVA, V.M.

PRIKHOD'KO, N.F.

24(7) p.3 PHASE I BOOK EXPLOITATION Sov/1365

L'vov. Universitet

Materialy X Vsesoyuznogo soveshchaniya po spektroskopii. t. 1:
 Molekulyarnaya spektroskopiya (Papers of the 10th All-Union
 Conference on Spectroscopy. Vol. 1: Molecular Spectroscopy)
 [L'vov]. Izd-vo L'vovskogo universita, 1957. 499 p. 4,000 copies
 printed. (Series: Its: Fizichesky zhurnal, vyp. 3/8/)

Additional Sponsoring Agency: Akademiya nauk SSSR. Komissiya po
 spektroskopii. Ed.: Daner, S.L.; Tech. Ed.: Saranyuk, T.V.;
 Editorial Board: Landsterg, G.S., Academician (Resp. Ed., Deceased),
 Reporen, B.S., Doctor of Physical and Mathematical Sciences,
 Fabrikant, I.I., Doctor of Physical and Mathematical Sciences,
 Fabrikant, V.A., Doctor of Technical Sciences, Raskin, J.M.,
 Kornitskiy, V.G., Candidate of Technical Sciences, Raskin, J.M.,
 Candidate of Physical and Mathematical Sciences, Klimovskiy, L.K.,
 Candidate of Physical and Mathematical Sciences, Klymanchuk, V.S.,
 Candidate of Physical and Mathematical Sciences, and Glauberma, A. Ye., Candidate of Physical and Mathematical Sciences.

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Card 18/30

SHABADASH, A.N.; PSHENITSYNA, V.P.; KHISHINA, V.M.

Spectrophotometric method for vapor-phase analysis of the acetic anhydride production. Mys. sbor. no.3:275-277 '57. (MIRA 11:8)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut promyshlennosti plasticheskikh mass.
(Acetic anhydride—Spectra) (Spectrophotometry)

KHISHKIN, G.I.

Confer more with specialists in stockbreeding, Zhivotnovodstvo 20
no.3;80-81 Mr '58.
(MIRA 11:2)

1. Glavnnyy zootehnik Stepnovskoy mashinno-traktornoy stantsii,
Stavropol'skogo kraya.
(Stock and stockbreeding)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722020008-0

KHISIN, M.G., inzh.

Redesigning of the rosette contact in the arc arrester of the
MCG-229 oil switch. Elek.sta. 32 no.6:86-87 Je '61.

(Electric cutouts)

(MIRA 14:8)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722020008-0"

KHISIN, R.

PHASE I TREASURE ISLAND BIBLIOGRAPHICAL REPORT AID 454 - I

BOOK

Call No.: AF639071

Author: SEE "EDITORIAL STAFF"

Full Title: NORMALIZED CONDITIONS DETERMINING CUTTING-TOOL LIFE (FOR
SINGLE-TOOL MACHINING)Transliterated Title: Normativy stoykosti rezhushchego instrumenta
(dlya odnoinstrumentnoy obrabotki)

Publishing Data

Originating Agency: Ministry of Machine Building of the U.S.S.R.

Scientific Research Office of Technical Norms

Publishing House: State Scientific and Technical Publishing House of
Literature on Machine Building and Shipbuilding
("Mashgiz")

Date: 1953 No. pp.: 64 No. of copies: 8,500

Editorial Staff

Editor: Kashirin, A. I., Prof., Dr. of Tech. Sci.

R. I. Khisin is the author of Part I and II. The tables giving
data on tool life (Part III) were compiled by R. Ya. Grinberg,
Engineer, with the assistance of I. E. Tseits, K. A. Kozlov and
M. I. Izmaylov.

Text Data

Coverage: This monograph describes methods of determining the life
expectation of cutting tools and gives their average values as

1/3

Normativy stoykosti rezhushchego instrumenta
(dlya odnoinstrumentnoy obrabotki)

AID 454 - I

applied to single-tool machining of ferrous metals. It establishes the criteria for determining cutting-tool life on the basis of machinability, maximum production rates and minimum production costs. The possibility of considerably increasing productivity by changing the shape of cutters was demonstrated by V. A. Kolesov, turner at the Middle-Volga Machine-Tool Plant, in 1952. The new design of high-speed cutters allows the use of 5 to 10 times heavier feeds. Kolesov's method is widespread in the USSR and can be further developed. This monograph is a continuation of two books published by the Ministry of Machine-Tool Building of the USSR in 1950 ("Mashgiz" Publishing House): Methods of High-Speed Cutting and Methods of Metal Cutting with High-Speed Steel Tools. It will be followed by a publication entitled: Methods of Cutting on Multiple-Tool Machine Tools. The monograph contains tables and diagrams.

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I Methods of Determining Cutting-Tool Life in Single-Tool Machining	7-24
Selection of criteria; Analysis of production cost; Formulas for determining tool life; Formulas for machine tools with	
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Normativ APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000722020008-0
(dlya odnoinstrumentnoy obrabotki) AID 454 - I

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individual drive; Practical tool-life analysis.	
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Purpose: This study is intended as a help in selecting the most efficient methods of metal cutting

Facilities: None

No. of Russian and Slavic References: None

Available: A.I.D., Library of Congress.

KHISIN, R.I.

GITLEVICH, A.D.; ZHMAKIN, D.F.; KLANIN, I.N., YAROVINSKIY, L.M., laureat Stalinskoy premii, retsensent; KHISIN, R.I., redaktor; MATVEYeva, Ye.N., tekhnicheskiy redaktor; PUPOVA, S.N., tekhnicheskiy redaktor

[Technical standardization of arc welding processes in machinery construction] Tekhnicheskoe normirovanie protsessov dugovoi elektro-svarki v mashinostroenii. Pod. red. R.I.Khisina. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1954. 212 p. (MLRA 8:3)
(Electric welding)

KHISIN R. I.

USSR/Miscellaneous - Book review

Card 1/1 Pub. 103 - 18/22

Authors : Khisin, R. I.

Title : Review of N. V. Shmulyan's and O. V. Kruglova's book.

Vestn. nastr. i. in-tov., Dec 1954

Book review is presented of the book, by N. V. Shmulyan and O. V. Kruglova, entitled, "Industrial Capacities of Machine Plants. Calculation and Utilization of Machine Tools." The book is published by the Machine Tools Press.

~~KHISIN, R.~~

Who should establish work standards at machine building plants?
Sots. trud. no. 4:100-101 Ap '56. (MIRA 9:11)

1. Starshiy inzhener Tekhnicheskogo upravleniya Ministerstva
stankostroitel'noy i instrumental'noy promyshlennosti.
(Efficiency, Industrial)

KHISIN, R.I.

Problems of work standardisation in machine building. Vest.mash.36
no.7:70-75 J1 '56.
(Production standards) (Machine-tool industry) (MIRA 9:9)

KHISIN, Rafail Iosifovich; STRUZHESTRAKH, Ye.I., red.; SUKHAREVA, R.A.,
tekhn.red.

[Labor productivity and the level of technically based standards]
Proizvoditel'nost' truda i uroven' tekhnicheski obosnovannykh norm.
Moskva, Mosk.dom nauchno-tekhn.propagandy im. F.E.Dzerzhinskogo,
1957. 22 p. (Perevodoi opty proizvodstva Seriya "Ekonomika,"
no.5) (MIRA 11:1)

(Labor productivity) (Production standards)

KHISIN, R.I.

25(5) (p.3)

PHASE I BOOK EXPLOITATION SOV/1314

Moskovskiy dom nauchno-tekhnicheskoy propagandy imeni F.E.
Dzerzhinskogo

Opredeleniye proizvodstvennykh moshchnostey v mashinostroyenii
(Determining Productive Capacities in Machinery Manufacturing)
Moscow, Mashgiz, 1957. 185 p. 8,000 copies printed.

Additional Sponsoring Agency: Obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znanii RSFSR.

Ed.: Voskresenskiy, B.V.; Tech. Ed.: Uvarova, A.F.; Managing Ed.
for Literature on the Economics and Organization of Production
(Mashgiz): Saksaganskiy, T.D.

PURPOSE: This collection of articles is for engineering and technical personnel of manufacturing plants and national economic councils.

Card 1/4

Determining Productive Capacities (Cont.)

SOV/1314

COVERAGE: This collection of articles explains the methodology and practice employed in determining the productive capacities of machinery manufacturing establishments and discusses the discovery and utilization of untapped productive capacities. Material included in this collection of articles was presented and discussed at the second scientific and technical conference on exchange of experience in the field of dealing with the methodology and actual determination and utilization of productive capacities in Soviet machinery manufacturing plants, convened in December of 1955 by the Moskovskiy dom nauchno-tehnicheskoy propagandy imeni F.E. Dzerzhinskogo (Moscow House imeni F.E. Dzerzhinskogo for Dissemination of Scientific and Technical Data). There are no references. No personalities are mentioned.

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imeni I.A. Likhachev in Calculating and Discovering
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Markov, N.M. Experience of the Kolomna Plant for Heavy
Machinery in Calculating and Discovering Unused Pro-
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Ratner, M.L. Candidate of Technical Sciences. Structure
of the Machine-tool Stock and Utilization of Productive
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AVAILABLE: Library of Congress (HD 9705.R92M64)

JG/atr
3-20-59

Card 4/4

KHISIN, R.

Level of technically established norms. Sots, trud. no.1:
81-88 Ja '57. (MLRA 10:4)
(Production standards)

25(5)

PHASE I BOOK EXPLOITATION

SOV/1274

Baranov, Boris Aleksandrovich; Zolotov, Vsevolod Nikolayevich
(Deceased); Khisin, Rafail Iosifovich; Shapiro, Isay Iosifovich;
Shaskol'skiy, Boris Vladimirovich; Shakhnazarov, Musheg
Mosesovich

Tekhnicheskoye normirovaniye na mashinostroitel'nom zavode
(Technical Standards for Machine-building Plants) Moscow,
Oborongiz, 1958. 576 p. 7,000 copies printed.

Reviewer: Kremenetskiy, N.L., Engineer; Ed. (Title page):
Shakhnazarova, M.M.; Ed. (Inside book): Tishin, S.D.,
Candidate of Technical Sciences, Docent; Ed. of Publishing
House: Rodzevich, S.S.; Tech. Ed.: Rozhin, V.P.; Managing
Ed.: Sokolov, A.I., Engineer.

PURPOSE: This book is a theoretical and practical manual for
engineers and technicians engaged in setting technical stand-
ards in aircraft manufacturing establishments and working
in scientific research and planning institutes.

Card 1/14

Technical Standards for Machine (Cont.)

SOV/1274

COVERAGE: The book describes the methodology employed in setting technical time standards in machinery-manufacturing and metalworking establishments. It includes basic data on standards for machining, supporting, and assembling operations. Chapters I - VI were written by M.M. Shakhnazarov, Chapter VII by V.N. Zolotov, Chapters VIII and IX by R.I. Khisin, Chapters X, XI, XIII - XVII, and XIX by I.I. Shapiro, Chapter XVIII by B.V. Shaskol'skiy, and Chapters XII and XX - XXVI by B.A. Baranov. There are 24 references, all Soviet.

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Technical Standards for Machine (Cont.)

SOV/1274

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000722020008

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NOVIKOV, V.F., retsenzent; RAZAMAT, E.S., retsenzent; SERGHEYEV,
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